

Current Genetics

Eukaryotes *with Emphasis on*
Yeasts · Fungi · Protists · Cell Organelles

Volume 12, 1987

Managing Editor

F. Kaudewitz, München

Regional Editor for the Americas

C. W. Birky, Jr., Columbus, Ohio

Editorial Board

J. D. Beggs, Edinburgh
H. Bertrand, Regina
P. J. Bruns, Ithaca, NY
M. Ciriacy, Düsseldorf
B. S. Cox, Oxford
M. S. Esposito, Berkeley, CA
K. Esser, Bochum
L. A. Grivell, Amsterdam
R. H. Haynes, Toronto
A. Hinnen, Basel
C. P. Hollenberg, Düsseldorf
H. Kössel, Freiburg
C. J. Leaver, Edinburgh

R. W. Lee, Halifax
C. S. Levings III, Raleigh, NC
J.-D. Rochaix, Geneva
R. J. Rothstein, New York
R. J. Schweyen, Wien
B. B. Sears, East Lansing, MI
G. Simchen, Jerusalem
P. P. Slonimski, Gif-sur-Yvette
K. P. VanWinkle-Swift, College Station, TX
K. Wolf, München
M. Yanagida, Kyoto
F. K. Zimmermann, Darmstadt



Springer International

Current Genetics

Founded in 1979 by F. Kaudewitz

Copyright

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree to automatic transfer of the copyright to the publisher; and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Special regulations for photocopies in the USA: Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. This fee is US\$ 0.20 per page, or a minimum of US\$ 1.00 if an article contains fewer than five pages. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0172-8083, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

Typesetters: Elsner & Behrens, D-6836 Oftersheim

Printers: Konrad Tritsch, Druck- und Verlagsanstalt Würzburg GmbH, D-8700 Würzburg

© Springer-Verlag Berlin Heidelberg 1987
Springer-Verlag GmbH & Co. KG, D-1000 Berlin 33
Printed in Germany

Contents

No. 1	pp 1-80	issued in May 1987
No. 2	pp 81-160	issued in June 1987
No. 3	pp 161-234	issued in July 1987
No. 4	pp 235-304	issued in August 1987

Aguilar M → Fernández E	349
Alvarez E → Díez B et al	277
Audren H, Bisanz-Seyer C, Briat JF, Mache R: Structure and transcription of the 5S rRNA gene from spinach chloroplasts	263
Bach ML: Cloning and expression of the OMP decarboxylase gene <i>URA4</i> from <i>Schizosaccharomyces pombe</i>	527
Bailey-Serres J, Leroy P, Jones SS, Wahlleithner JA, Wolstenholme DR: Size distributions of circular molecules in plant mitochondrial DNAs	49
Bandlow W → Magdolen V et al	405
Barkan A → Rock CD et al	69
Barredo JL → Díez B et al	277
Bast L → Panchal CJ et al	15
Beek JC → Woudt LP et al	193
Beck CF → Delp G et al	241
Beljanski B → Dutta SK	283
Belkhiri A → McNabb SA et al	205
Bendich AJ → Grayburn WS	257
Benítez T → Jiménez J	421
Benslimane A → Rode A et al	369
Bianchi MM, Falcone C, Chen Xin Jie, Wésłowski-Louvel M, Frontali L, Fukuhara H: Transformation of the yeast <i>Kluyveromyces lactis</i> by new vectors derived from the 1.6 µm circular plasmid pKD1	185
Bisanz-Seyer C → Audren H et al	263
Bland MM, Levings CS III, Matzinger DF: The ATPase subunit 6 gene of tobacco mitochondria contains an unusual sequence	475
Bland MM → Stamper SE et al	457
Boguta M → Zagórski W et al	305
Bolen PL → Shepherd HS et al	297
Bonjardim CA → Delouya D et al	583
Borkhardt B, Pedersen MB, Olson LW: Mitochondrial DNA in the aquatic fungus <i>Allomyces</i>	149
Bos CJ: Induction and isolation of mutants in fungi at low mutagen doses	471
Boyd DA → McNabb SA et al	205
Boynton JE → Gillhalm NW et al	41
Briat JF → Audren H et al	263
Brockhausen-Rohdemann E → Wöstemeyer J	435
Bülow S, Reiss T, Link G: DNA-binding proteins of the transcriptionally active chromosome from mustard (<i>Sinapis alba</i> L.) chloroplasts	157
Burmester A, Wöstemeyer J: DNA sequence and functional analysis of an ARS-element from the zygomycete <i>Absidia glauca</i>	599
Burmester A → Wöstemeyer J et al	625
Buyser J de → Rode A et al	369
Campbell DA → Dilorio AA et al	9
Campbell DA, Doolittle MM: Coincident chromosomal disomy in meiotic dyads from triploid yeast	569
Cantoral JM → Díez B et al	277
Carr KG → Skatrud PL et al	337
Carr LG, Skatrud PL, Ingolia TD, Queener SW: Organization of the 5.8S, 16-18S, and 23-28S ribosomal RNA genes of <i>Cephalosporium acremonium</i>	209
Carter BLA → Piggott JR et al	561

No. 5	pp 305-390	issued in September 1987
No. 6	pp 391-474	issued in October 1987
No. 7	pp 475-560	issued in November 1987
No. 8	pp 561-628	issued in December 1987

Cassidy JR, Pukkila PJ: Inversion of 5S ribosomal RNA genes within the genus <i>Coprinus</i>	33
Chen Xin Jie → Bianchi MM et al	185
Chevillotte-Brivet P, Salou G, Meunier-Lemesle D: Missense exonic mitochondrial mutation in cytochrome b gene of <i>Saccharomyces cerevisiae</i> , resulting in core protein deficiency in complex III of the respiratory chain	111
Choquet Y → Girard-Bascou J et al	489
Cid A, Perona R, Serrano R: Replacement of the promoter of the yeast plasma membrane ATPase gene by a galactose-dependent promoter and its physiological consequences	105
Claissie M → Zagórski W et al	305
Colin J → Marechal L et al	91
Delosme M → Girard-Bascou J et al	489
Delouya D, Bonjardim CA, Nobrega FG: ARS activity along the yeast mitochondrial apocytochrome b region: correlation with the location of petite genomes and consensus sequences	583
Delp G, Igloi GL, Beck CF, Kössel H: Functional in vivo verification in <i>E. coli</i> of promoter activities from the rDNA/tDNA ^{val} (GAC) leader region of <i>Zea mays</i> chloroplasts	241
Demopoulos NA → Stephanou G	443
Denis CL, Drouin EE: Meiotic instability of tandemly iterated plasmid sequences in the yeast chromosome	399
Dewey RE → Stamper SE et al	457
Dick MW → McNabb SA et al	205
Dieckmann CL, Mittelmeier TM: Nuclearely-encoded CBPI interacts with the 5' end of mitochondrial cytochrome b pre-mRNA	391
Díez B, Alvarez E, Cantoral JM, Barredo JL, Martin JF: Selection and characterization of <i>pyrG</i> mutants of <i>Penicillium chrysogenum</i> lacking orotidine-5'-phosphate decarboxylase and complementation by the <i>pyr4</i> gene of <i>Neurospora crassa</i>	277
Dilorio AA, Weathers PJ, Campbell DA: Comparative enzyme and ethanol production in an isogenic yeast ploidy series	9
Dingemans MA → Oliver RP et al	231
Doel SM → Piggott JR et al	561
Doolittle MM → Campbell DA	569
Dowhanick T → Panchal CJ et al	15
Dron M → Girard-Bascou J et al	489
Drouin EE → Denis CL	399
Dutta SK, Beljanski B: Particular RNA primer from growth medium differentially stimulates in vitro DNA synthesis and in vivo cell growth of <i>Neurospora crassa</i> and its slime mutant	283
Dutta SK, Verma M, Verma M: <i>Neurospora crassa</i> nuclear genome contains analogy of <i>Saccharomyces cerevisiae</i> genes for ribosomal RNA processing	225
Egel R, Eie B: Cell lineage asymmetry in <i>Schizosaccharomyces pombe</i> : unilateral transmission of a high-frequency state for mating-type switching in diploid pedigrees	429
Eie B → Egel R	429
Eng C → Garber ED et al	555

- Engelke U, Krabowski L, Gutz H, Heim L, Schmidt H: Molecular characterization of *h⁻* mutants of *Schizosaccharomyces pombe* 535
- Falcone C → Bianchi MM et al 185
- Falconet D → Rode A et al 369
- Feldmann H → Stucka R et al 323
- Fernández E, Aguilar M: Molybdate repair of molybdopterin deficient mutants from *Chlamydomonas reinhardtii* 349
- Fisher DL → Skatrud PL et al 337
- Fogel S → Maloney DH 1
- Ford P → Picknett TM et al 449
- Förster H, Kinscherf TG, Leong SA, Maxwell DP: Molecular analysis of the mitochondrial genome of *Phytophthora* 215
- Francinques MC → Raynal A et al 175
- Froeliger EH, Muñoz-Rivas AM, Specht CA, Ullrich RC, Novotny CP: The isolation of specific genes from the basidiomycete *Schizophyllum commune* 547
- Frontali L → Bianchi MM et al 185
- Fujimura H, Hishinuma F, Gunge N: Terminal segment of *Kluyveromyces lactis* linear DNA plasmid pGKL2 supports autonomous replication of hybrid plasmids in *Saccharomyces cerevisiae* 99
- Fukuhara H → Bianchi MM et al 185
- Funadera K → Hasunuma K et al 127
- Furukawa K → Hasunuma K et al 127
- Garber ED, Eng C, Stevens DM: Genetics of *Ustilago violacea*. XXI. Centromere-linkage values and pericentric gene clustering 555
- Garnett HM → Gupthar AS 199
- Gerbaud C → Raynal A et al 175
- Gillham NW, Boynton JE, Harris EH: Specific elimination of mitochondrial DNA from *Chlamydomonas* by intercalating dyes 41
- Girard-Bascou J: Mutations in four chloroplast loci of *Chlamydomonas reinhardtii* affecting the photosystem I reaction centers 483
- Girard-Bascou J, Choquet Y, Schneider M, Delosme M, Dron M: Characterization of a chloroplast mutation in the *psaA2* gene of *Chlamydomonas reinhardtii* 489
- Gjermansen C → Petersen JGL et al 167
- Goodey AR → Piggott JR et al 561
- Gounaris I, Price CA: Plastid transcripts in chloroplasts and chromoplasts of *Capsicum annuum* 219
- Grant S → Whittington HA et al 135
- Grayburn WS, Bendich AJ: Variable abundance of a mitochondrial DNA fragment in cultured tobacco cells 257
- Greenberg BD → Wallace DC et al 81
- Grienerberger JM → Marechal L et al 91
- Guerineau M → Raynal A et al 175
- Guiard B → Zagórski W et al 305
- Gunge N → Fujimura H et al 99
- Gupta NJ, Jones KW: A DNA sequence which shows genomic variation in α , α and HO strains of *Saccharomyces cerevisiae* 161
- Gupthar AS: Construction of a series of *Pichia stipitis* strains with increased DNA contents 605
- Gupthar AS, Garnett HM: Hybridization of *Pichia stipitis* with its presumptive imperfect partner *Candida shehatae* 199
- Gutz H → Engelke U et al 535
- Haas JM de, Kool AJ, Overbeeke N, Nijkamp HJJ: Characterization of DNA synthesis and chloroplast DNA replication initiation in a *Petunia hybrida* chloroplast lysate system 377
- Hallick RB → Johanningmeier U 465
- Hanson MR → Rothenberg M 235
- Harling R → Oliver RP et al 231
- Harris EH → Gillham NW et al 41
- Hartmann C → Rode A et al 369
- Hasunuma K, Funadera K, Shinohara Y, Furukawa K, Watanabe M: Circadian oscillation and light-induced changes in the concentration of cyclic nucleotides in *Neurospora* 127
- Hauber J → Stucka R et al 323
- Hawkins AR → Whittington HA et al 135
- Hayashida N, Matsubayashi T, Shinozaki K, Sugiura M, Inoue K, Hiyama T: The gene for the 9 kd polypeptide, a possible apoprotein for the iron-sulfur centers A and B of the photosystem I complex, in tobacco chloroplast DNA 247
- Heim L → Engelke U et al 535
- Henry Y → Rode A et al 369
- Heslot H → Tréton BY et al 37
- Hishinuma F → Fujimura H et al 99
- Hiyama T → Hayashida N et al 247
- Hohmann S: A region in the yeast genome which favours multiple integration of DNA via homologous recombination 519
- Holmberg S → Petersen JGL et al 167
- Holt G → Picknett TM et al 449
- Hondel CAMJJ van den → Oliver RP et al 231
- Houline G, Schantz R: Molecular analysis of the transcripts encoding the light-harvesting chlorophyll a/b protein in *Euglena gracilis*: unusual size of the mRNA 611
- Hynes MJ → Kelly JM 21
- Igloi GL → Delp G et al 241
- Inge-Vechtormov SG → Repnevskaya MV et al 511
- Ingolia TD → Carr LG et al 209
- Inoue K → Hayashida N et al 247
- Ishikawa T → Shin DY et al 577
- Jiménez J, Benítez T: Genetic analysis of highly ethanol-tolerant wine yeasts 421
- Johanningmeier U, Hallick RB: The *psbA* gene of DCMU-resistant *Euglena gracilis* has an amino acid substitution at serine codon 265 465
- Johnstone J → Panchal CJ et al 15
- Jones KW → Gupta NJ 161
- Jones SS → Bailey-Serres J et al 49
- Junker A, Lehmann E, Munz P: Genetic analysis of particular aspects of intergenic conversion in *Schizosaccharomyces pombe* 119
- Karpova TS → Repnevskaya MV et al 511
- Kelly JM, Hynes MJ: Multiple copies of the *amdS* gene of *Aspergillus nidulans* cause titration on trans-acting regulatory proteins 21
- Kenyon L → Oliver RP et al 231
- Kielland-Brandt MC → Petersen JGL et al 167
- Kilbey B → McKenzie R et al 591
- Kinscherf TG → Förster H et al 215
- Klassen GR → McNabb SA et al 205
- Kloeckener-Gruissem B, McEwen JE, Poyton RO: Nuclear functions required for cytochrome c oxidase biogenesis in *Saccharomyces cerevisiae*: multiple transacting nuclear genes exert specific effects on expression of each of the cytochrome c oxidase subunits encoded on mitochondrial DNA 311
- Knowles JKC → Penttilä ME et al 413
- Koll H, Schmidt C, Wiesenberger G, Schmelzer C: Three nuclear genes suppress at yeast mitochondrial splice defect when present in high copy number 503
- Kool AJ → Haas JM de et al 377
- Kosack M → Schmidt U et al 291
- Kössel H → Delp G et al 241
- Krabowski L → Engelke U et al 535
- Kurtzman CP → Shepherd HS et al 297

- Lamb H → Whittington HA et al 135
 Le Dall MT → Tréton BY et al 37
 Lehmann E → Junker A et al 119
 Lehtinen U → Penttilä ME et al 413
 Lejeune B → Marechal L et al 91
 Lejeune B → Rode A et al 369
 Leong SA → Förster H et al 215
 Leroy P → Bailey-Serres J et al 49
 Leupold U: Sex appeal in fission yeast 543
 Levings CS III → Bland MM et al 475
 Levings CS III → Stamper SE et al 457
 Ligon JM → Shepherd HS et al 297
 Link G → Bülow S et al 157
 Lonsdale DM → Marechal L et al 91
- Mache R → Audren H et al 263
 Magdolen V, Oechsner U, Bandlow W: The complete nucleotide sequence of the gene coding for yeast adenylate kinase 405
 Mager WH → Woudt LP et al 193
 Maloney DH, Fogel S: Gene conversion, unequal crossing-over and mispairing at a non-tandem duplication during meiosis of *Saccharomyces cerevisiae* 1
 Marechal L, Runeberg-Roos P, Grienemberger JM, Colin J, Weil JH, Lejeune B, Quétier F, Lonsdale DM: Homology in the region containing a tRNA^{Phe} gene and a (complete or partial) tRNA^{Pro} gene in wheat mitochondrial and chloroplast genomes 91
 Margerl-Brenner M → Weiss-Brummer B et al 387
 Martin JF → Diez B et al 277
 Matagne RF: Chloroplast gene transmission in *Chlamydomonas reinhardtii*. A model for its control by the mating-type locus 251
 Matsubayashi T → Hayashida N et al 247
 Matzinger DF → Bland MM et al 475
 Maxwell DP → Förster H et al 215
 McEwen JE → Kloeckener-Gruissem B et al 311
 McKenzie R, Schuchert P, Kilbey B: Sequence of the bifunctional *ade1* gene in the purine biosynthetic pathway of the fission yeast *Schizosaccharomyces pombe* 591
 McNabb SA, Boyd DA, Belkhir A, Dick MW, Klassen GR: An inverted repeat comprises more than three-quarters of the mitochondrial genome in two species of *Pythium* 205
 Meunier-Lemesle D → Chevillotte-Brivet P et al 111
 Mieszczyk M → Zagórski W et al 305
 Mittelmeier TM → Dieckmann CL 391
 Muñoz-Rivas AM → Froeliger EH et al 547
 Munz P → Junker A et al 119
- Neckelmann SN → Wallace DC et al 81
 Nijkamp HJJ → Haas JM de et al 377
 Nikkila M → Penttilä ME et al 413
 Nilsson-Tillgren T → Petersen JGL et al 167
 Nobrega FG → Delouya D et al 583
 Novotny CP → Froeliger EH et al 547
- Oechsner U → Magdolen V et al 405
 Oliver RP, Roberts IN, Harling R, Kenyon L, Punt PJ, Dingemans MA, Hondel CAMJJ van den: Transformation of *Fulvia fulva*, a fungal pathogen of tomato, to hygromycin B resistance 231
 Olson LW → Borkhardt B et al 149
 Oraler G → Zimmer M et al 329
 Overbeek N → Haas JM de et al 377
- Panchal CJ, Bast L, Dowhanick T, Johnstone J, Stewart GG: Studies on stability of miniplasmids comprised of only yeast DNA 15
- Pedersen MB → Borkhardt B et al 149
 Penttilä ME, Suihko ML, Lehtinen U, Nikkila M, Knowles JKC: Construction of brewer's yeasts secreting fungal endo- β -glucanase 413
 Perona R → Cid A et al 105
 Petersen JGL, Nilsson-Tillgren T, Kielland-Brandt MC, Gjermansen C, Holmberg S: Structural heterozygosity at genes *ILV2* and *ILV5* in *Saccharomyces cerevisiae* 167
 Picknett TM, Saunders G, Ford P, Holt G: Development of a gene transfer system for *Penicillium chrysogenum* 449
 Piggott JR, Watson MEE, Doel SM, Goodey AR, Carter BLA: The secretion and post translational modification of interferons from *Saccharomyces cerevisiae* 561
 Planta RJ → Woudt LP et al 193
 Poyton RO → Kloeckener-Gruissem B et al 311
 Price CA → Gounaris I 219
 Pring D → Smith AG 617
 Pukkila PJ → Cassidy JR 33
 Punt PJ → Oliver RP et al 231
- Queener SW → Carr LG et al 209
 Queener SW → Skatrud PL et al 337
 Quétier F → Marechal L et al 91
 Quétier F → Rode A et al 369
- Raynal A, Gerbaud C, Francinques MC, Guérineau M: Sequence and transcription of the β -glucosidase gene of *Kluyveromyces fragilis* cloned in *Saccharomyces cerevisiae* 175
 Reiss T → Bülow S et al 157
 Repnevskaya MV, Karpova TS, Inge-Vechtomov SG: Hybridization and cytoduction among yeast cells of the same mating type 511
 Roberts CF → Whittington HA et al 135
 Roberts IN → Oliver RP et al 231
 Rock CD, Barkan A, Taylor WC: The maize plastid *psbB-psbF-petB-petD* gene cluster: spliced and unspliced *petB* and *petD* RNAs encode alternative products 69
 Rode A, Hartmann C, Falconet D, Lejeune B, Quétier F, Benslimane A, Henry Y, Buysse J de: Extensive mitochondrial DNA variation in somatic tissue cultures initiated from wheat immature embryos 369
 Rothenberg M, Hanson MR: Recombination between parental mitochondrial DNA following protoplast fusion can occur in a region which normally does not undergo intragenomic recombination in parental plants 235
 Runeberg-Roos P → Marechal L et al 91
- Sakai H → Weiss-Brummer B et al 387
 Salou G → Chevillotte-Brivet P et al 111
 Saunders G → Picknett TM et al 449
 Schantz R → Houlne G → 611
 Schmelzer C → Koll H et al 503
 Schmelzer C → Söllner T et al 497
 Schmidt C → Koll H et al 503
 Schmidt C → Söllner T et al 497
 Schmidt H → Engelke U et al 535
 Schmidt U, Kosack M, Stahl U: Lariat RNA of a group II intron in a filamentous fungus 291
 Schneider M → Girard-Bascou J et al 489
 Schuchert P → McKenzie R et al 591
 Sealy-Lewis HM: Suppressor specificity in *Aspergillus nidulans* 141
 Serrano R → Cid A et al 105
 Shepherd HS, Ligon JM, Bolen PL, Kurtzman CP: Cryptic CNA plasmids of the heterothallic yeast *Saccharomycopsis crataegensis* 297

- Shin DY, Uno I, Ishikawa T: Control of the G1-G0 transition and G0 protein synthesis by cyclic AMP in *Saccharomyces cerevisiae* 577
- Shinohara Y → Hasunuma K et al 127
- Shinozaki K → Hayashida N et al 247
- Singh G → Wallace DC et al 81
- Skatrud PL → Carr LG et al 209
- Skatrud PL, Queener SW, Carr KG, Fisher DL: Efficient integrative transformation of *Cephalosporium acremonium* 337
- Slonimski PP → Zagórski W et al 305
- Smith AG, Pring D: Nucleotide sequence and molecular characterization of a maize mitochondrial plasmid-like DNA 617
- Söllner T, Schmidt C, Schmelzer C: Amplification of the yeast nuclear gene *MRS3* confers suppression of a mitochondrial RNA splice defect 497
- Specht CA → Froeliger EH et al 547
- Spyridakis A → Zagórski W et al 305
- Stahl U → Schmidt U et al 291
- Stamper SE, Dewey RE, Bland MM, Levings CS III: Characterization of the gene *urf13-T* and an unidentified reading frame, ORF 25, in maize and tobacco mitochondria 457
- Stephanou G, Demopoulos NA: Heat shock phenomena in *Aspergillus nidulans*. II. Combined effect of heat and Bleomycin to heat shock protein synthesis, survival rate and induction of mutations 443
- Stevens DM → Garber ED et al 555
- Stewart GG → Panchal CJ et al 15
- Stucka R, Hauber J, Feldmann H: One member of the tRNA (Glu) gene family in yeast codes for a minor GAGtRNA (Glu) species and is associated with several short transposable elements 323
- Sugiura M → Hayashida N et al 247
- Suihko ML → Penttilä ME et al 413
- Suyama Y → Ziaie Z 357
- Taylor WC → Rock CD et al 69
- Tohoyama H, Yanagishima N: Site of pheromone action and secretion pathway of a sexual agglutination substance during its induction by pheromone α in α cells of *Saccharomyces cerevisiae* 271
- Tréton BY, Le Dall MT, Heslot H: UV-induced curing of the double-stranded RNA virus of the yeast *Yarrowia lipolytica* 37
- Ullrich RC → Froeliger EH et al 547
- Uno I → Shin DY et al 577
- Verma M → Dutta SK et al 225
- Verma M → Dutta SK et al 225
- Wahleithner JA → Bailey-Serres J et al 49
- Wahleithner JA, Wolstenholme DR: Mitochondrial plasmid DNAs of broad bean: nucleotide sequences, complex secondary structures, and transcription 55
- Wallace DC, Ye J, Neckelmann SN, Singh G, Webster KA, Greenberg BD: Sequence analysis of cDNAs for the human and bovine ATP synthase β subunit: mitochondrial DNA genes sustain seventeen times more mutations 81
- Wassenaar GM → Woudt LP et al 193
- Watanabe M → Hasunuma K et al 127
- Watson MEE → Piggott JR et al 561
- Weathers PJ → Dilorio AA et al 9
- Webster KA → Wallace DC et al 81
- Weigel C → Wöstemeyer J et al 625
- Weil JH → Marechal L et al 91
- Weiss-Brummer B, Sakai H, Margerl-Brenner M: At least two nuclear-encoded factors are involved together with a mitochondrial factor (MF1) in spontaneous mitochondrial frameshift-suppression of the yeast *S. cerevisiae* 387
- Welser F → Zimmer M et al 329
- Węslowski-Louvel M → Bianchi MM et al 185
- Whittington HA, Grant S, Roberts CF, Lamb H, Hawkins AR: Identification and isolation of a putative permease gene in the quinic acid utilization (QUT) gene cluster of *Aspergillus nidulans* 135
- Wiesenberger G → Koll H et al 503
- Wolf K → Zimmer M et al 329
- Wolstenholme DR → Bailey-Serres J et al 49
- Wolstenholme DR → Wahleithner JA 55
- Wöstemeyer J, Brockhausen-Rohdemann E: Inter-mating type protoplast fusion in the zygomycete *Absidia glauca* 435
- Wöstemeyer J → Burmester A 599
- Wöstemeyer J, Burmester A, Weigel C: Neomycin resistance as a dominantly selectable marker for transformation of the zygomycete *Absidia glauca* 625
- Woudt LP, Mager WH, Beek JC, Wassenaar GM, Planta RJ: Structural and putative regulatory sequences of the gene encoding ribosomal protein L25 in *Candida utilis* 193
- Yanagishima N → Tohoyama H 271
- Ye J → Wallace DC et al 81
- Zagórski W, Boguta M, Mieszczyk M, Claisse M, Guiard B, Spyridakis A, Slonimski PP: Phenotypic suppression and nuclear accommodation of the *mit-oxi1-V25* mutation in isolated yeast mitochondria 305
- Ziaie Z, Suyama Y: The cytochrome oxidase subunit I gene of *Tetrahymena*: a 57 amino acid NH₂-terminal extension and a 108 amino acid insert 357
- Zimmer M, Welser F, Oraler G, Wolf K: Distribution of mitochondrial introns in the species *Schizosaccharomyces pombe* and the origin of the group II intron in the gene encoding apocytochrome b 329

